

Filter regulator MS4-LFR

Part number: 526489

FESTO



Data sheet

| Feature | Value |
|---|---|
| Size | 4 |
| Series | MS |
| Actuator lock | Rotary knob with detent Rotary knob with integrated lock can be closed with accessories |
| Mounting position | Vertical +/- 5° |
| Grade of filtration | 5 µm...40 µm |
| Condensate drain | Fully automatic Manual, non-detenting Manually rotating Semi-automatic |
| Structural design | Filter regulator with pressure gauge Filter regulator without pressure gauge |
| Controller function | Outlet pressure constant With secondary exhausting With return flow function |
| Bowl guard | Plastic bowl guard Integrated as metal bowl guard |
| Degree of condensate separation | 75 % |
| Pressure gauge | G1/4 prepared G1/8 prepared with pressure sensor with pressure gauge |
| Operating pressure | 0.08 MPa...1.4 MPa 0.8 bar...14 bar |
| Pressure regulation range | 0.3 bar...12 bar |
| Max. pressure hysteresis | 0.25 bar |
| Standard nominal flow rate | 850 l/min...1800 l/min |
| Certification | c UL us - Recognized (OL) |
| CE marking (see declaration of conformity) | as per EU explosion protection directive (ATEX) |
| UKCA marking (see declaration of conformity) | acc. to UK EX instructions |
| Explosion protection certification outside the EU | EPL Db (GB) EPL Gb (GB) |

| Feature | Value |
|--|---|
| Explosion prevention and protection | Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) |
| ATEX category gas | II 2G |
| ATEX category for dust | II 2D |
| Type of ignition protection for gas | Ex h IIC T6 Gb X |
| Type of (ignition) protection for dust | Ex h IIIC T60°C Db X |
| Explosive ambient temperature | -10°C ≤ Ta ≤ +60°C |
| Operating medium | Compressed air as per ISO 8573-1:2010 [::4:-] Compressed air as per ISO 8573-1:2010 [7:4:-] Inert gas |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -10 °C...60 °C |
| For use in the food industry | See supplementary material information |
| Temperature of medium | -10 °C...60 °C |
| Ambient temperature | -10 °C...60 °C |
| Type of mounting | Front panel mounting Line installation With accessories Optionally: |
| Note on materials | RoHS-compliant |
| Material of sub-base | Die-cast aluminum |
| Seals material | NBR |
| Compressed air filter material | PE |
| Housing material | Die-cast aluminum |
| Diaphragm material | NBR |
| Separating disc material | POM |